

# INTERNATIONAL SEARCH REPORT

GB2004/003385

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N33/74 G01N33/76

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, CHEM ABS Data, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	STORRING P L ET AL: "Lectin-binding assays for the isoforms of human erythropoietin: Comparison of urinary and four recombinant erythropoietins" JOURNAL OF ENDOCRINOLOGY, vol. 150, no. 3, 1996, pages 401-412, XP008037378 ISSN: 0022-0795 the whole document abstract table 1 figure 3 page 402, last paragraph - page 403, paragraph 1	1-3, 8-11,18, 20-23
Y	----- -/--	1-12, 16-23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the International search

5 November 2004

Date of mailing of the International search report

23/11/2004

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

GB2004/003385

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KELLY LISA S ET AL: "A lectin-based ELISA assay to distinguish human chorionic gonadotropin produced during pregnancy and malignancy" PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 43, March 2002 (2002-03), pages 1078-1079, XP001179197 & 93RD ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH; SAN FRANCISCO, CALIFORNIA, USA; APRIL 06-10, 2002 ISSN: 0197-016X the whole document	1-5,9, 11, 16-18, 20-22
Y	----- US 6 461 831 B1 (SMALL DAVID HENRY ET AL) 8 October 2002 (2002-10-08)  the whole document example 2	1-12, 16-23
X	----- US 6 461 831 B1 (SMALL DAVID HENRY ET AL) 8 October 2002 (2002-10-08)  the whole document example 2	1-3,8,9, 16-18, 20-22
Y	----- FERRARI M C ET AL: "Lectin analyses of glycoprotein hormones in patients with congenital disorders of glycosylation" EUROPEAN JOURNAL OF ENDOCRINOLOGY, vol. 144, no. 4, April 2001 (2001-04), pages 409-416, XP008037387 ISSN: 0804-4643 the whole document	1-12, 16-23
Y	----- IIDA SHIN-ICHIRO ET AL: "Interaction of human macrophage C-type lectin with O-linked N-acetylgalactosamine residues on mucin glycopeptides" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 16, 16 April 1999 (1999-04-16), pages 10697-10705, XP002301873 ISSN: 0021-9258 the whole document	1-7, 16-19
A	----- SKIBELI VENKE ET AL: "Sugar profiling proves that human serum erythropoietin differs from recombinant human erythropoietin" BLOOD, vol. 98, no. 13, 15 December 2001 (2001-12-15), pages 3626-3634, XP002304285 ISSN: 0006-4971 abstract  ----- -/--	13-23

## INTERNATIONAL SEARCH REPORT

GB2004/003385

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/087821 A (KELLY LISA S PH D ; UNIV GEORGIA RES FOUNDATION (US); PUETT DAVID J (U) 23 October 2003 (2003-10-23) the whole document -----	1-11, 16-23

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/003385

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 13-17 (in part)  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 13-17 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/003385

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6461831	B1	08-10-2002	
		AU 744215 B2	21-02-2002
		AU 9330498 A	12-04-1999
		WO 9915695 A1	01-04-1999
		BR 9813015 A	15-08-2000
		CA 2304949 A1	01-04-1999
		EP 1017845 A1	12-07-2000
		HU 0003684 A2	28-02-2001
		JP 2001517456 T	09-10-2001
		PL 339517 A1	18-12-2000
WO 03087821	A	23-10-2003	
		WO 03087821 A2	23-10-2003